



2005 Hurricane Season USACE-internal RAP Workshop 17-19 Jan 06

Information and Planning - 2 Focus Group

Presentation of Successes and Issues



Information and Planning - 2 Proponent: Andy Bruzewicz

Success	Recommendation and Recommended Lead	Obstacles
<u>1. GIS PRT is the largest ever. Fielded products were excellent.</u> USACE-internal Intergovernmental Recurring Priority: Short term	Expand size of the existing PRT, training new members and add a second tier of members not on call. Recommended lead: Steve McDevitt	Team membership can impact district work load.



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<u>2. More modeling was accomplished than ever before, initial model runs were done sooner, and the user base is expanding.</u> USACE-internal Intergovernmental Recurring Priority: Now	Continue support for the modeling effort that reflects the expected output. Recommended lead: Terry Siemsen	Modeling group has only three members.



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<u>3. In the face of unprecedented demand for GIS PRT members, one Action Officer was responsible for all recruitment, successfully meeting all USACE and FEMA requirements.</u> USACE-internal Recurring Priority: Now	Continue as an ongoing activity. Recommended lead: Steve McDevitt	None. 4



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Issue	Recommendation and Recommended Lead	Obstacles
<u>1. ESF #3 TLs and ATLs require a wide range of mapping products prior to and immediately after an event begins to feed the USACE and external “information monsters”.</u> USACE-internal and Intergovernmental Recurring Priority: Now	Send one of the GIS PRT Action Officers out with the ESF #3 team that pre-deploys for a period of up to 8 days to provide initial products and recommend for or against a GIS PRT deployment. Lead: Kevin Carlock	Absence of knowledge of GIS products and how they can be used.



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<u>2. Imagery, maps, and models are not always received in a timely way due to Internet connectivity issues.</u> USACE-internal and Intergovernmental Recurring Priority: NOW	Resolve FEMA-other agency (including USACE) computer security access issues at JFOs and assure adequate bandwidth, as well as mailbox and file size allowances, for efficient operation. Recommended lead: Andy Bruzewicz	Computer security issues concerning maintenance of integrity of FEMA's LAN, policy concerning file and mailbox size limitations, and bandwidth available/installed in the disaster area.



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3. <u>Inconsistent reporting of mission status.</u> USACE-internal and Intergovernmental Recurring Priority: NOW	Develop an Oracle database approach to mission data-basing that allows for authenticated remote data entry and require “as of” daily reporting setting and enforcing a daily suspense for data entry. Results will be available for Sitreps, mission maps, and power points. Recommended lead: Joel Schlagel/Mike Smith	Funding.



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<u>4. GIS PRT often lacks large format printing capability and portable computers with GIS and image processing software.</u> USACE-internal and Intergovernmental Recurring Priority: NOW	Procure 3 large format printers for storage at the RSC and have capability to rent additional machines as needed. Acquire 10 laptop computers, 13 ESRI GIS licenses, 2 ERDAS Imagine image processing software licenses, and 2 ER Mapper licenses. Recommended lead: Teri Alberico and RSC	Funding priorities.



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<u>5. Mission models require validation and refinement.</u> USACE-internal and Intergovernmental Recurring Priority: NOW	Develop a testing/model refinement program that includes the modeling team and external expertise. Recommended lead: Terry Siemsen	Funding availability.



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6. <u>USACE responders do not have access to good power damage/power restoration models.</u> Intergovernmental Recurring Priority: Short term	Obtain DOE models, model results, and work with DOE to refine/develop new models as necessary. Recommended lead: Terry Siemsen	Potential DOE unwillingness to share results/develop new capability and funding for DOE activity.



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<u>7. Knowledge of GIS PRT, GIS products, and models varies among USACE PRT members, responders, and HQUSACE staff</u> USACE-internal Recurring Priority: NOW	Develop GIS modules for all USACE PRT training and develop informational material for HQUSACE and response personnel. Recommended lead: Teri Alberico	None.



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8. <u>Appearance and quality of maps produced by GIS PRT varies with experience of team members.</u> USACE-internal Recurring Priority: Short term	Develop a set of map templates for each USACE mission and for recurring requirements and distribute templates with data provided by the GIS PRT to the JFOs. Recommended lead: Justin Pummell	Funding priorities.